# Operating Instructions

## Pendant Light Fitting

**> L470**

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# 2 General Information

## 2.1 Manufacturer


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## 2.2 Information Regarding these Operating Instructions


ID NO.: 647060300030
Publication Code: S-BA-L470-00-en-23/05/2007


We reserve the right to make technical changes without notice.

## 2.3 Symbols used

| | |
|---|---|
| ▶ | Take action:<br>Describes the actions which the user should undertake. |
| ▷ | Reaction symbol:<br>Describes results or reactions to actions taken. |
| ✗ | Checklist symbol |
| ☞ | Commentary symbol:<br>Describes notes and recommendations. |
| | Warning symbol:<br>Danger live parts! |
| | Warning symbol:<br>Danger hot surfaces! |

# 3 General Notes Regarding Safety

## 3.1 Safety instructions for installation and operating personnel

The operating instructions contain fundamental notes regarding safety, which must be observed during installation, operation and maintenance. Non-observance can result in a hazard to persons, plant and environment.

| ⚠ WARNING |
|---|
| **Risk due to unauthorised work being performed on the device!**<br>▷ There is a risk of injury to persons and material damage.<br>▶ Assembly, installation, commissioning, operation and maintenance must only be performed by authorised personnel who have been trained to do so. |

**Before assembly/commissioning:**

- ▶ Read operating instructions.
- ▶ Provide assembly and operating personnel with adequate training.
- ▶ Ensure contents of operating instructions has been fully understood by responsible personnel.
- ▶ The national assembly and installation directives apply.

**When operating the device:**

- ▶ Keep operating instructions at the place of installation.
- ▶ Observe safety instructions.
- ▶ Observe national safety and accident prevention regulations.
- ▶ Only operate the devices in accordance with its performance data.
- ▶ Maintenance or repair work, which is not described in the operating instructions must not be carried out without prior agreement with the manufacturer.
- ▶ Any damage might impair the function.
- ▶ Any modifications/alterations is not permitted.
- ▶ The devices may only be fitted and used if they are in an undamaged, dry and clean condition.

**If you have questions:**

- ▶ Contact the manufacturer.

## 3.2 Warning notes

In these operating instructions, warnings are sub-divided as follows:

| ⚠ WARNING |
|---|
| **Type and source of danger!**<br>▷ Possible consequences.<br>▶ Measures for avoiding danger. |

They are always identified by the word “WARNING“ and sometimes also have a symbol specifying danger.

### 3.3 Conformity to Standards

The pendant light fitting L470 was designed, produced and tested in accordance with 29001 (ISO 9001).

It also conforms to the following directives and standards:

- ✗ Directive 94/9/EC
- ✗ EN 60598
- ✗ 89/336/EEC “Electromagnetic Compatibility“

## 4 Intended Area of Application

The pendant light fitting is designed for both indoor and outdoor use.

The specified ambient temperature must be strictly adhered to (see Table, Page 5).

| ⚠ WARNING |
|---|
| **Only use device for its intended purpose!**<br>▷ The manufacturer’s liability and warranty will otherwise be impaired.<br>▶ Only use device in accordance with operating conditions specified.<br>▶ Only use device at permissible ambient temperature. |

# 5 Technical Data

| | |
|---|---|
| Rated operational voltage $U_e$ | 230 V, AC ± 10%, 50 Hz, others upon request<br>Observe the data given on the rating plate. |

Rated current

| Type of lamp | | Power | Lampholder | $I_N$ |
|---|---|---|---|---|
| All-purpose lamp | A | 200 W<br>500 W | E 27<br>E 40 | 0,87 A<br>2,27 A |
| Halogen lamp | QT | 150 W<br>250 W<br>500 W | E 27<br>E 27<br>E 40 | 0,65 A<br>1,10 A<br>2,10 A |
| Blended lamp | LME | 160 W<br>250 W<br>500 W | E 27<br>E 40<br>E 40 | 0,65 A<br>1,17 A<br>2,17 A |
| Metal halide lamp | HIE | 70 W<br>100 W<br>150 W<br>250 W<br>400 W | E 27<br>E 27<br>E 27<br>E 40<br>E 40 | 0,95 A<br>0,78 A<br>0,88 A<br>1,55 A<br>2,10 A |
| High-pressure sodium discharge lamp | HSE | 50 W<br>70 W<br>100 W<br>110 W<br>150 W<br>250 W<br>400 W<br>600 W | E 27<br>E 27<br>E 40<br>E 27<br>E 40<br>E 40<br>E 40<br>E 40 | 0,77 A<br>0,44 A<br>0,70 A<br>0,72 A<br>1,80 A<br>1,40 A<br>2,10 A<br>3,10 A |
| Mercury vapour lamp | HME | 125 W<br>250 W<br>400 W | E 27<br>E 40<br>E 40 | 0,70 A<br>2,22 A<br>1,96 A |
| Induction lamp | QL | 55 W<br>85 W<br>165 W | special<br>special<br>special | 0,26 A<br>0,40 A<br>0,70 A |

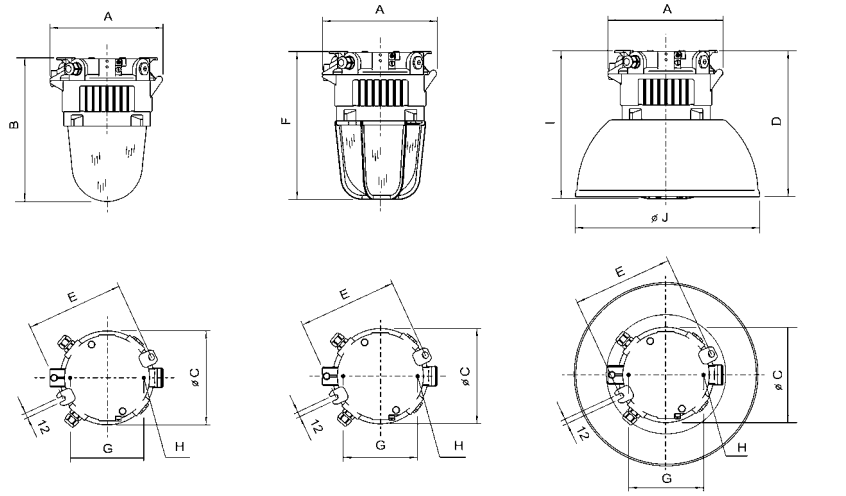
| | |
|---|---|
| Power factor | cos φ ≥ 0.9 (compensated) |
| Protection class | I (PE-connection) |
| Connection | L1 + N for 4 $mm^2$ stranded copper and 6 $mm^2$ single wire, via internal terminal block |
| Material | |
| Enclosure material | salt water resistant aluminium |
| Protective glass | temperature-change resistant borosilicate glass |
| Cover seal | silicone rubber |
| Glass seal | silicone rubber |
| Fixing bracket | stainless steel |
| Outer reflector | powder coated galvanized sheet steel / fibre-glass reinforced polyester |
| Wire guard | salt water resistant aluminium |
| Casing fastener | securing screw M 8 (stainless steel) |
| Mounting | wall and ceiling mounting, mast mounting, suspended by ringbolts, mounting bracket or pipework |
| Installation orientation | pendant or pivot range (30° and 45°) |
| Degree of protection | IP 66 |
| Ambient temperature | - 20 °C ... + 40 °C all types<br>- 30 °C ... + 55 °C for sodium vapour and metal halide lamps<br>- 50 °C ... + 55 °C for mercury vapour lamps, halogen lamps, all-purpose lamps and blended lamps |
| Wire guard and outer reflector | can easily be retro-fitted using M 6 screws |

| | |
|---|---|
| Cable glands | Certified cable glands with an ingress protection of IP66 minimum must be used (in acc. with 94/9/EC).The number of cable entries depends on the type of mounting.<br>Standard M 25 x 1,5<br>Special M 20 x 1,5, others upon request |
| Screw-in thread for mast mounted lights | 1 $^1/_4$“ BSP, 1 $^1/_2$“ BSP, $^3/_4$“ NPT, 1“ NPT |

| **Version** | **Type of lamp** [1)] | **Lampholder** | **Lamp power** | **Weight** kg |
|---|---|---|---|---|
| Pendant Light Fitting IEC Series L470 Size 1 up to 150 W | A | E 27 | 200 W | 5,217 |
| | QT | E 27 | 150 W | 8,900 |
| | QT | E 27 | 250 W | 8,300 |
| | LME | E 27 | 160 W | 5,217 |
| | HIE | E 27 | 70 W | 6,797 |
| | HIE | E 27 | 100 W | 7,197 |
| | HIE | E 27 | 150 W | 8,115 |
| | HSE | E 27 | 50 W | 6,297 |
| | HSE | E 27 | 70 W | 6,797 |
| | HSE | E 27 | 110 W | 6,463 |
| | HME | E 27 | 125 W | 6,463 |
| | QL | Special | 55 W | 5,857 |
| Pendant Light Fitting IEC Series L470 Size 2 up to 250 W | LME | E 40 | 250 W | 6,091 |
| | HIE | E 40 | 250 W | 9,596 |
| | HSE | E 40 | 100 W | 10,000 |
| | HSE | E 40 | 150 W | 9,260 |
| | HSE | E 40 | 250 W | 9,596 |
| | HME | E 40 | 250 W | 8,139 |
| | QL | Special | 85 W | 6,535 |
| Pendant Light Fitting IEC Series L470 Size 3 up to 600 W | A<br>QT<br>LME | E 40 | 500 W | 10,868 |
| | HIE | E 40 | 250 W | 14,834 |
| | HIE | E 40 | 400 W | 15,545 |
| | HSE | E 40 | 250 W | 14,834 |
| | HSE | E 40 | 400 W | 15,545 |
| | HSE | E 40 | 600 W | 18,103 |
| | HME | E 40 | 250 W | 13,377 |
| | HME | E 40 | 400 W | 13,708 |
| | QL | Special | 165 W | 11,189 |

**Notes:** 1)
- A → All-purpose lamp
- QT → Halogen lamp
- LME → Blended lamp
- HIE → Metal halide lamp
- HSE → High-pressure sodium discharge lamp
- HME → Mercury vapour lamp
- QL → Induction lamp (is delivered with the light fitting)

**Dimension drawings** (all dimensions in mm) - subject to alterations

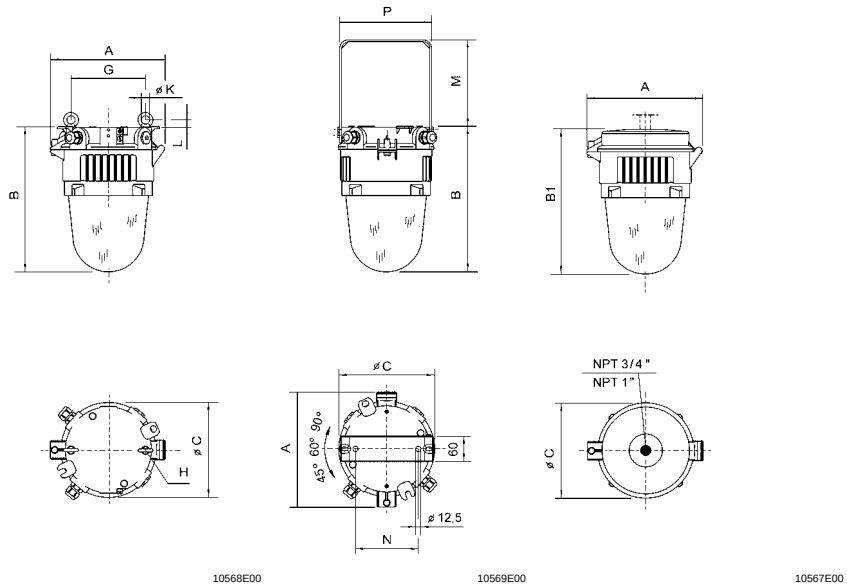



**Ceiling mount without wire guard**

**Ceiling mount with wire guard**

**Ceiling mount with reflector**

| Dimensions in mm | L470/11 | L470/12 | L470/13 |
|---|---|---|---|
| A | 277 | 277 | 372 |
| B | 352 | 414 | 514 |
| C | 230 | 230 | 310 |
| D | 353 | 353 | 521 |
| E | 240 | 240 | 329 |
| F | 357 | 423 | 533 |
| G | 180 | 180 | 260 |
| H | M 8 | M 8 | M 10 |
| I | 358 | 424 | 535 |
| J | 444 | 444 | 715 |



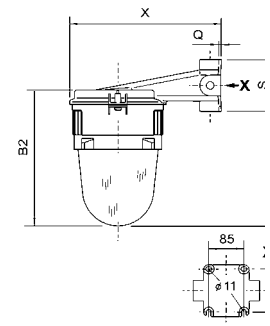

**Pendant mount via ring bolts**

**Pendant mount via mounting bracket**

**Pendant mount**

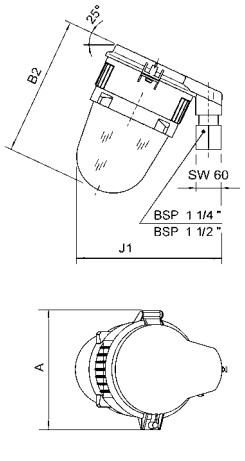
| Dimensions in mm | L470/11 | L470/12 | L470/13 |
|---|---|---|---|
| A | 277 | 277 | 372 |
| B | 352 | 414 | 514 |
| B1 | 350 | 412 | 517 |
| C | 230 | 230 | 310 |
| G | 180 | 180 | 260 |
| H | M 8 | M 8 | M 10 |
| K | 20 | 20 | 25 |
| L | 18 | 18 | 22.5 |
| M | 208 | 208 | 209 |
| N | 150 | 150 | 200 |
| P | 220 | 220 | 302 |

**Dimension drawings** (all dimensions in mm) - subject to alterations



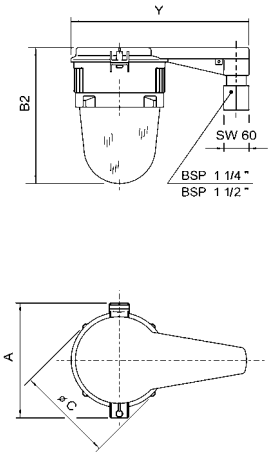

10561E00

**Wall mount**




10563E00

**Stanchion mount 25 °**

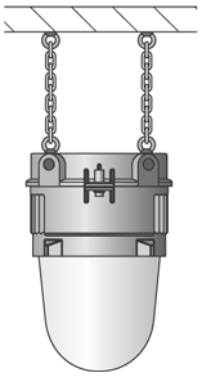



10562E00

**Stanchion mount 90 °**

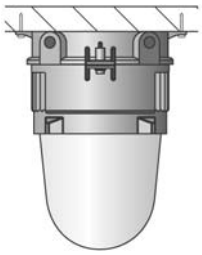
| Dimensions in mm | L470/11 | L470/12 | L470/13 |
|---|---|---|---|
| A | 277 | 277 | 372 |
| B2 | 331 | 393 | 498 |
| C | 230 | 230 | 310 |
| J1 | 340 | 367 | 511 |
| Q | 7 | 7 | 8 |
| R | 250 | 250 | 422 |
| S | 105 | 125 | 160 |
| T | 405 | 466 | 592 |
| V | 105 | 105 | 139 |
| X | 366.5 | 366.5 | 579 |
| Y | 427 | 427 | 628 |

## Types of mounting



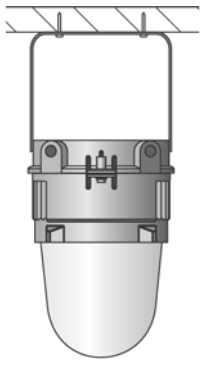
11415E00

Ringbolt mounting



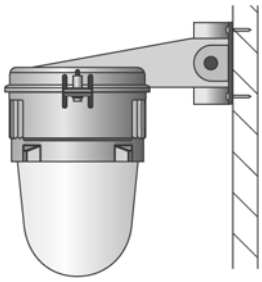
11416E00

Ceiling mounting



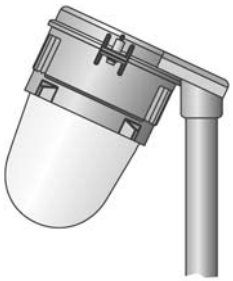
11417E00

Fixing bracket



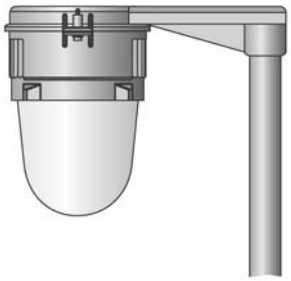
11418E00

Wall mounting



11419E00

Mast fitting 25°



11420E00

Mast fitting 90°

# 6 Transport, Storage and Disposal

**Transport**

▶ Shock free in its original carton, do not drop, handle with care.

**Storage**

▶ Store in a dry place in its original packing.

**Disposal**

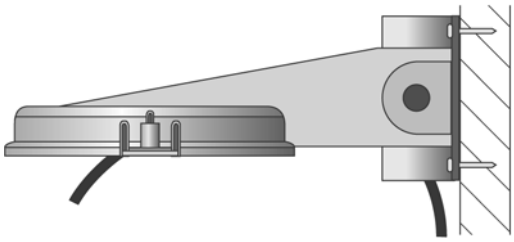
▶ Ensure that all components are disposed of in an environmentally friendly manner, in accordance with legal regulations.

# 7 Mounting

| | |
|---|---|
| ☞ | The light fitting is delivered in component form, i.e. the light fitting does not need to be disassembled to fit the fixture. |

## 7.1 Fitting the fixture

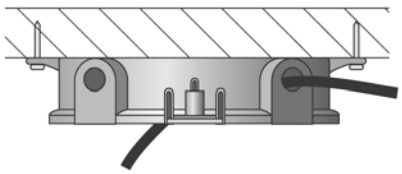
**Wall mounting**



11421E00

▶ Feed the connection cable through the corresponding cable entry and through fixture.
▶ Secure fixture by means of four screws (see dimension drawing).

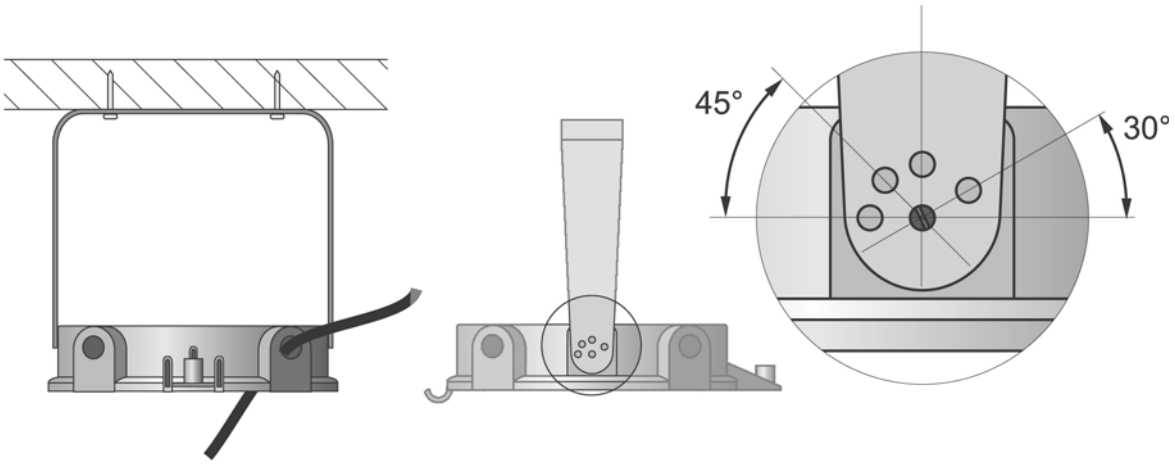
**Ceiling mounting**



11422E00

▶ Feed the connection cable through the corresponding cable entry and through fixture.
▶ Secure fixture by means of two screws (see dimension drawing).

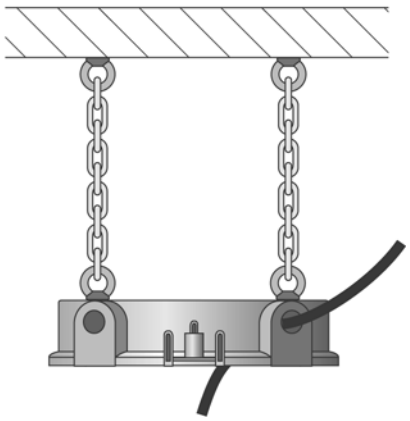
### Fixing bracket mounting




11423E00

- Secure fixing bracket with the desired pivoting range to fixture by means of four screws.
- Feed the connection cable through the corresponding cable entry.

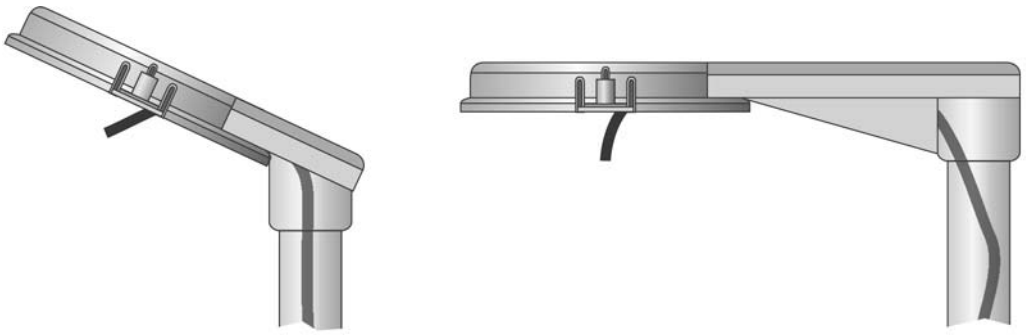
### Ringbolt mounting



11424E00

- Screw two ringbolts into fixture.
- Secure the fixture (e.g. with chains) to the ceiling.
- Feed the connection cable through the corresponding cable entry.

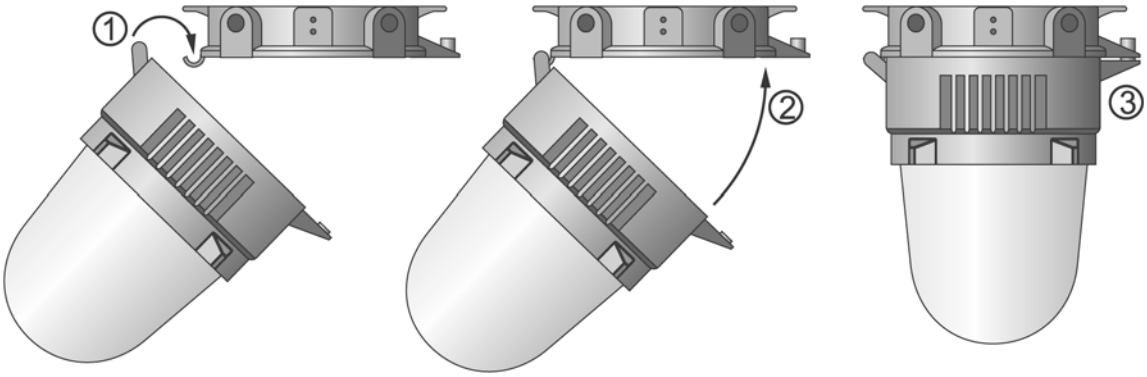
### Mounting the mast fitting



11425E00

- ▶ Feed the connection cable through the mast.
- ▶ Feed the connection cable through the fixture.
- ▶ Insert the adapter between mast and fixture and secure it by means of screws.
- ▶ Screw the mast fitting to the mast (mast screw-in thread).
- ▶ Tighten screw.

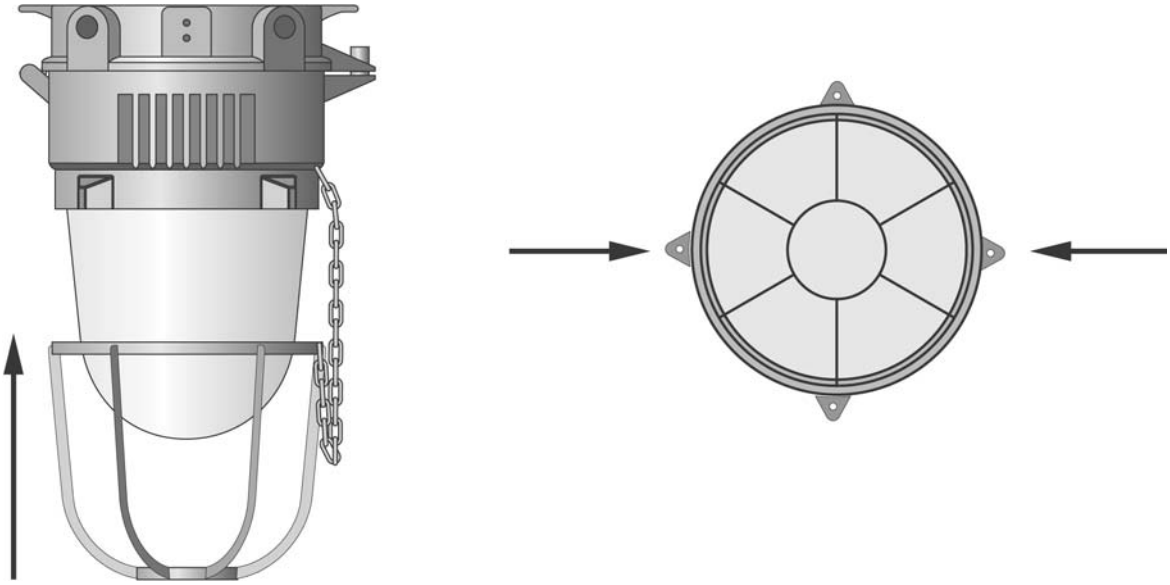
## 7.2 Mounting the body of the light fitting




11426E00

- ▶ Hook the body of the light into the fixture (1).
- ▶ Pivot the body of the light against the fixture (2).
- ▶ Tighten torque screw (M8) (3).

## 7.3 Fitting the wire guard

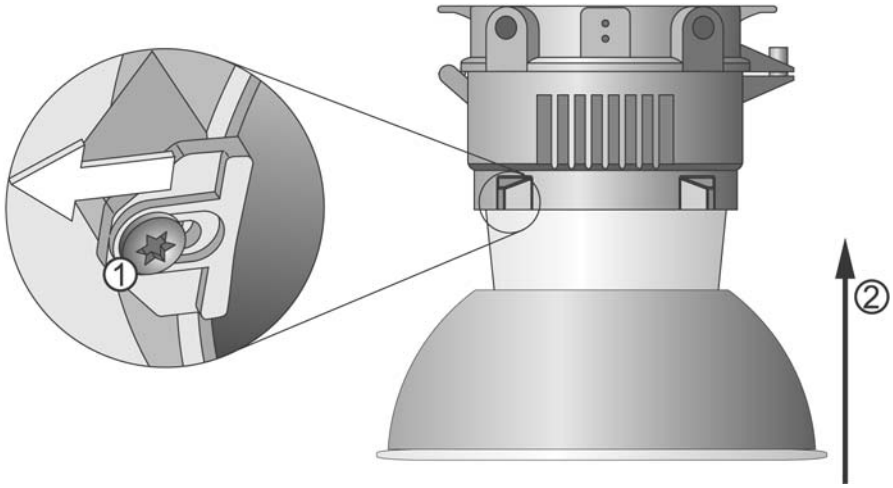


11427E00

- ▶ Fit wire guard, from below, over the glass and secure the retaining chain.
- ▶ Secure the wire guard with two screws.

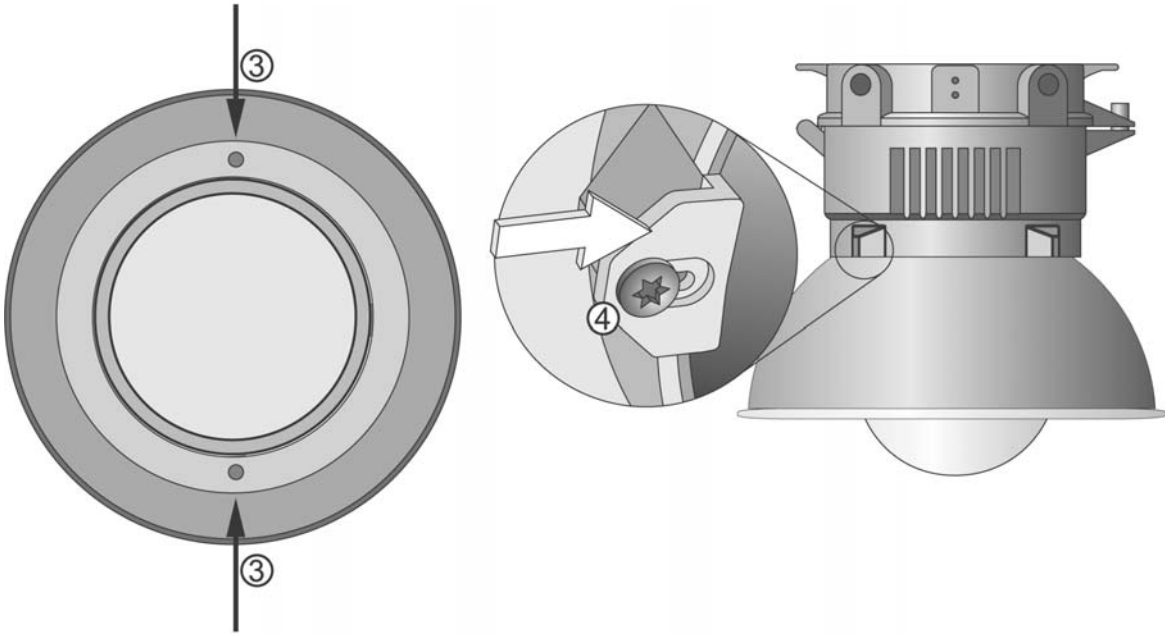
## 7.4 Mounting the reflector

| ⚠ WARNING |
|---|
| **Danger if mounted incorrectly!**<br>▷ Risk of material damage.<br>▶ Ensure that the plate (item 4) is correctly inserted! |




11428E00

- ▶ Loosen screw and remove plate (1).
- ▶ Fit reflector to glass from below (2).



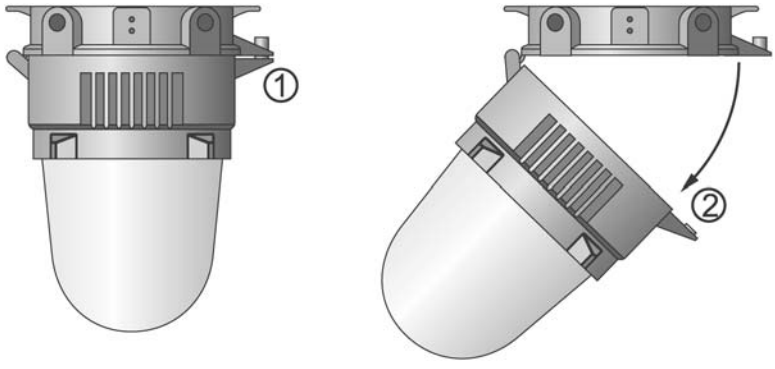

11429E00

- ▶ Secure reflector with two screws (3).
- ▶ Turn plate, press it against glass and tighten screw (4).

# 8 Installation

| ⚠WARNING | |
|---|---|
| | **Danger from live parts!**<br>▷ Risk of serious injury.<br>▶ All connections and wiring must be disconnected from the power supply.<br>▶ Secure connections against unauthorised re-connection. |

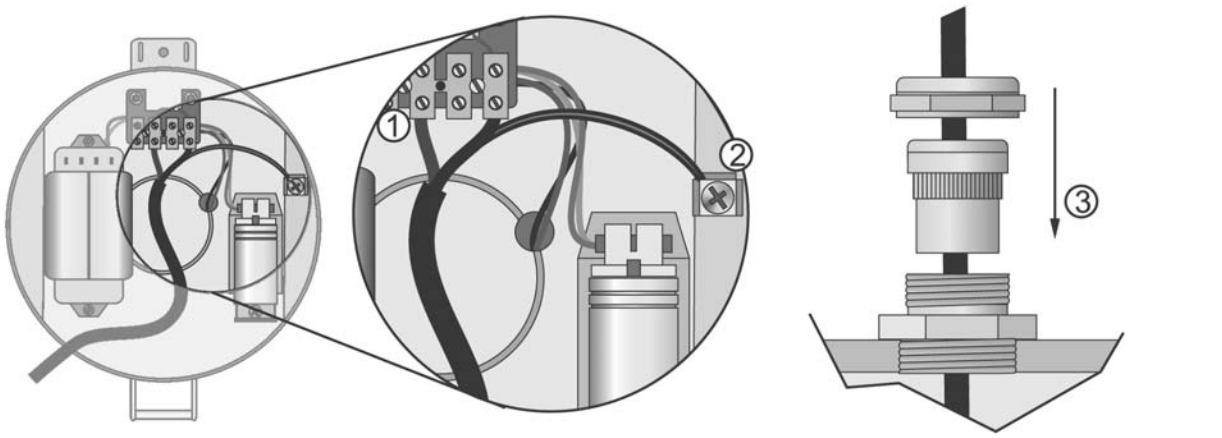
## 8.1 Opening of light fitting




11430E00

- ▶ Loosen the torque screw (M8) (1).
- ▶ Pivot the body of the light carefully from the fixture (2) and allow it to hang in this position.

## 8.2 Mains connection

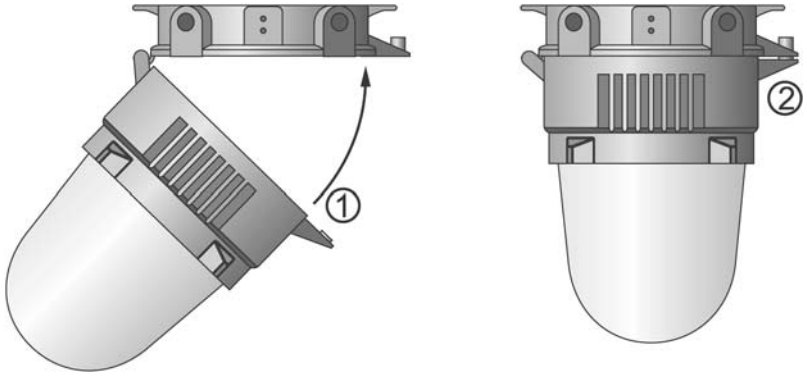



11431E00

| | |
|---|---|
| ☞ | Choke and starter are wired according to the type of lamp fitted when delivered. No further installation work is necessary. |

- ▶ Fit silicone sleeves provided (2 or 4 off) over the conductors L and N.
- ▶ Connect conductors to corresponding terminals and secure them (1).
- ▶ The protective earth conductor is factory fitted to the PE connection on the lid of the cover.
- ▶ Secure the PE conductors, from lid and connection cable, to the cover (2).
- ▶ Close off the cable entry (3).
- ▶ Route and secure connection cable, in such a way, that it can not be pulled out.

## 8.3 Closing of light fitting




11432E00

- ▶ Pivot the body of the light fitting against the fixture (1).
- ▶ Tighten the torque screw (M8) (2).

# 9 Commissioning

### Before commissioning

- Check that no cable connections are loose.
- Cable glands used must have an ingress protection class of IP 66 minimum and conform to data given in Chapter 5, “Technical Data“.
- Inspect the cover for damage.
- Inspect the cover for foreign bodies (screws, nuts, tools, etc.).
- Note nominal voltage.
- Ensure that all unused cable glands and entries are blanked off.
- Check lamp is fitted correctly.

### During operation

| | |
|---|---|
| ☞ | The pendant light fitting can be switched ON or OFF during operation. These are the only operating states. |

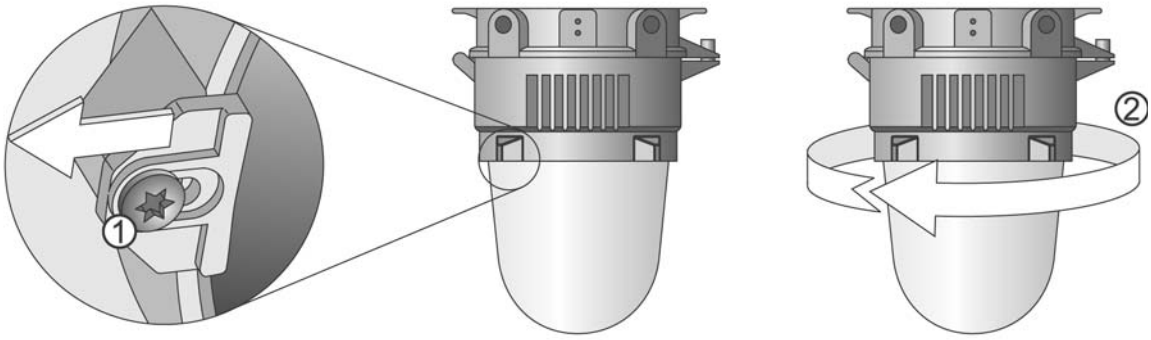
# 10 Maintenance

| ⚠WARNING |
|---|
| **Hot surfaces!**<br>▷ Danger of burning hands.<br>▶ Allow the casing, protective glass and lamp to cool down for approx. 15 min. before touching. |

| ⚠WARNING |
|---|
| **Danger from live parts!**<br>▷ Risk of serious injury.<br>▶ All connections and wiring must be disconnected from the power supply.<br>▶ Secure connections against unauthorised re-connection. |

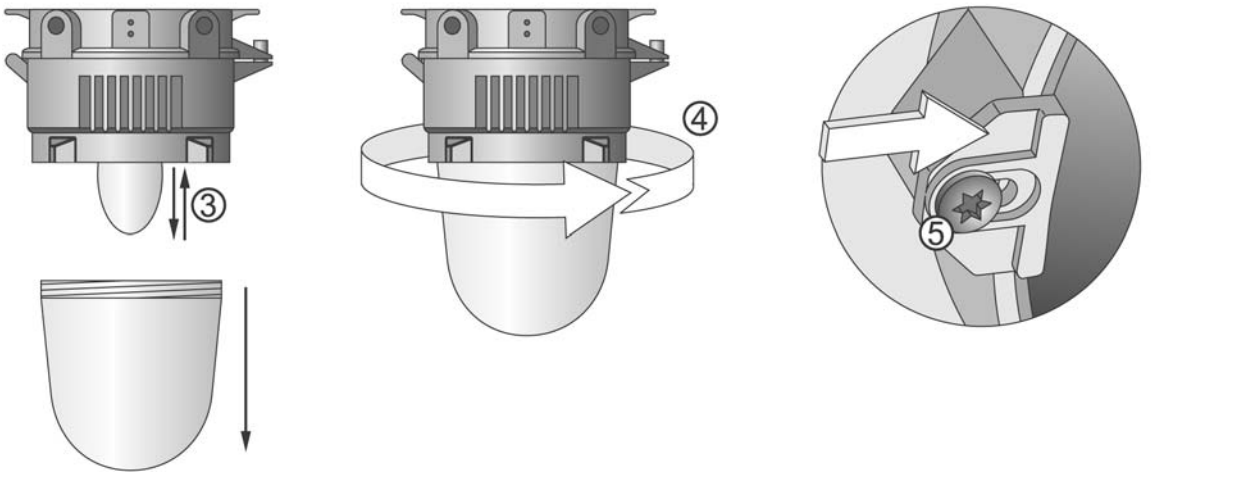
## 10.1 Replacing lamp

| ⚠WARNING |
|---|
| **Danger if mounted incorrectly!**<br>▷ Risk of material damage.<br>▶ Make sure the plate is correctly positioned:<br>Mounting without reflector: see page 17, item 5<br>Mounting with reflector: see page 13, item 4 |




11433E00

▶ Remove the screw and remove the plate (1) from the glass.
▶ Unscrew the protective glass in an anti-clockwise direction and remove it (2).




11434E00

- ▶ Place the protective glass carefully to one side.
- ▶ Unscrew and remove defective lamp (3).
- ▶ Select new lamp, which conforms with the circuit and screw it in (3).
- ▶ Screw in protective glass **hand tight** in a clockwise direction (4).
- ▶ Press plate against glass and tighten screw (5).

## 10.2 Regular Maintenance Work

- ▶ Refer to corresponding national regulations for the type and scope of tests.
- ▶ The maintenance intervals must be chosen, such that the occurrence of deficiencies, anticipated in the system, can be avoided.

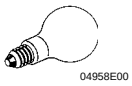
**The following items must be checked as part of the maintenance schedule:**

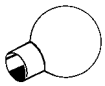
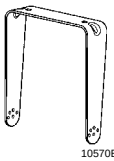
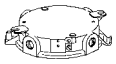
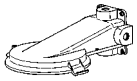
- ✗ Check that no cable connections are loose.
- ✗ Inspect device for visible signs of damage.
- ✗ Check that permitted temperatures are adhered to.
- ✗ Check that the device is functioning correctly.

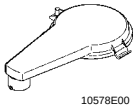
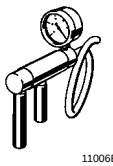
## 10.3 Cleaning

- ✗ Clean with a cloth, brush, vacuum cleaner or similar items.
- ✗ When cleaning with a damp cloth use water or mild, non-abrasive, non-scratching cleaning agents.
- ✗ Never use aggressive cleaning agents or solvents.

# 11 Accessories and Spare Parts

| Designation | Illustration | Description | | | | Ordering code | Weight kg |
|---|---|---|---|---|---|---|---|
| | | Power | Lamp-holder | Voltage | Luminous flux | | – – |
| All-purpose lamps A |  04958E00 | 200 W | E 27 | 230 V | 3100 lm | 5126250 | 0,034 |
| | | 500 W | E 40 | 230 V | 10000 lm | 4609960 | 0,140 |
| Halogen lamps QT | 05355E00 | 150 W | E 27 | 230 V | 2550 lm | 4646120 | 0,040 |
| | | 250 W | E 27 | 230 V | 4200 lm | 4616400 | 0,060 |
| | | 500 W | E 40 | 230 V | 10000 lm | 4616410 | 0,132 |
| Blended lamps LME | 04963E00 | 160 W | E 27 | 230 V | 3150 lm | 4616660 | 0,082 |
| | | 250 W | E 40 | 230 V | 5500 lm | 4611100 | 0,160 |
| | | 500 W | E 40 | 230 V | 13000 lm | 4611110 | 0,280 |
| Metal-halide lamps HIE | 04963E00 | 70 W | E 27 | 230 V | 6500 lm | 4637750 | 0,080 |
| | | 100 W | E 27 | 230 V | 8000 lm | 4637760 | 0,160 |
| | | 150 W | E 27 | 230 V | 12000 lm | 4637770 | 0,170 |
| | | 250 W | E 40 | 230 V | 20000 lm | 4616500 | 0,180 |
| | | 400 W | E 40 | 230 V | 31500 lm | 4616520 | 0,284 |
| High-pressure sodium vapour lamps HSE | 04963E00 | 50 W | E 27 | 230 V | 3500 lm | 4646200 | 0,010 |
| | | 70 W | E 27 | 230 V | 6000 lm | 4618880 | 0,074 |
| | | 110 W * | E 27 | 230 V | 8000 lm | 4646080 | 0,150 |
| | | * to operate without starter | | | | | |
| | | 100 W | E 40 | 230 V | 9500 lm | 4647750 | 0,081 |
| | | 150 W | E 40 | 230 V | 15000 lm | 4616670 | 0,216 |
| | | 250 W | E 40 | 230 V | 28000 lm | 4616680 | 0,200 |
| | | 400 W | E 40 | 230 V | 48000 lm | 4616700 | 0,214 |
| | 05355E00 | 600 W | E 40 | 230 V | 90000 lm | 4637780 | 0,220 |
| High-pressure sodium vapour lamps HSE (TwinArc) | 04963E00 | 50 W | E 27 | 230 V | 3600 lm | 4647640 | 0,560 |
| | | 70 W | E 27 | 230 V | 6000 lm | 4647650 | 0,074 |
| | | 100 W | E 40 | 230 V | 9500 lm | 4647660 | 0,100 |
| | | 150 W | E 40 | 230 V | 17000 lm | 4647670 | 0,216 |
| | | 250 W | E 40 | 230 V | 32000 lm | 4647680 | 0,200 |
| | | 400 W | E 40 | 230 V | 55000 lm | 4647690 | 0,214 |
| Mercury lamps HME | 04963E00 | 125 W | E 27 | 230 V | 6500 lm | 5126080 | 0,320 |
| | | 250 W | E 40 | 230 V | 20000 lm | 5126090 | 0,092 |
| | | 400 W | E 40 | 230 V | 31500 lm | 5126100 | 0,305 |

| Designation | Illustration | Description | | | | Ordering code | Weight kg |
|---|---|---|---|---|---|---|---|
| Induction lamps QL |  10579E00 | 55 W | special | 230 V | 3500 lm | 5126760 | 0,020 |
| | | 85 W | special | 230 V | 6000 lm | 5126770 | 0,212 |
| | | 165 W | special | 230 V | 12000 lm | 5126780 | 0,300 |
| Replacement glass | 10572E00 | temperature-change resistant borosilicate glass with screw-in thread | | | | | – – |
| | | for L470/11 | | | | 648080580010 | 3,370 |
| | | for L470/12 | | | | 648080580210 | 4,400 |
| | | for L470/13 | | | | 648080580310 | 6,600 |
| Wire guard | 10571E00 | salt water resistant aluminium, with fittings | | | | | – – |
| | | for L470/11 | | | | 648080140010 | 0,250 |
| | | for L470/12 | | | | 648080140210 | 0,300 |
| | | for L470/13 | | | | 648080140310 | 0,600 |
| Standard reflector | 10288E00 | powder coated galvanised sheet steel, with fittings | | | | | – – |
| | | for L470/11 and L470/12 | | | | 648080580020 | 2,250 |
| | | fibre-glass reinforced polyester, with fittings | | | | | – – |
| | | for L470/13 | | | | 648080580320 | 5,500 |
| Mounting bracket |  10570E00 | stainless steel, with fittings | | | | | – – |
| | | for L470/11 and L470/12 | | | | 647080180010 | 1,200 |
| | | for L470/13 | | | | 647080180310 | 1,500 |
| Cover for ceiling mounting |  10580E00 | The light is ceiling mounted by means of lugs, which are on the cover. A mounting bracket or ringbolts can be retrofitted to the cover (must be ordered as accessories). | | | | | – – |
| | | with thread M 20 x 1.5 | | for L470/11 and for L470/12 | | 647080050020 | 1,264 |
| | | with thread M 20 x 1.5 | | for L470/13 | | 647080050320 | 1,850 |
| | | with thread M 25 x 1.5 | | for L470/11 and for L470/12 | | 647080050010 | 1,264 |
| | | with thread M 25 x 1.5 | | for L470/13 | | 647080050310 | 1,850 |
| Cover for wall mounting |  10573E00 | with thread M 20 x 1.5 | | for L470/11 and for L470/12 | | 648080050080 | 2,137 |
| | | with thread M 20 x 1.5 | | for L470/13 | | 648080050380 | 3,600 |
| | | with thread M 25 x 1.5 | | for L470/11 and for L470/12 | | 648080050070 | 2,137 |
| | | with thread M 25 x 1.5 | | for L470/13 | | 648080050370 | 3,600 |
| Cover for mast mounting 25 ° | 10577E00 | with thread 1 $^1/_2$“ BSP | | for L470/11 and for L470/12 | | 648080050150 | 1,113 |
| | | with thread 1 $^1/_2$“ BSP | | for L470/13 | | 648080050450 | 2,300 |
| | | with thread 1 $^1/_4$“ BSP | | for L470/11 and for L470/12 | | 648080050160 | 1,113 |
| | | with thread 1 $^1/_4$“ BSP | | for L470/13 | | 648080050460 | 2,300 |

| Designation | Illustration | Description | | | Ordering code | Weight kg |
|---|---|---|---|---|---|---|
| Cover for mast mounting 90 ° |  10578E00 | with thread 1 $^1/_2$“ BSP | for L470/11 and for L470/12 | | 648080050170 | 1,689 |
| | | with thread 1 $^1/_2$“ BSP | for L470/11 and for L470/12 | | 648080050470 | 3,000 |
| | | with thread 1 $^1/_4$“ BSP | for L470/11 and for L470/12 | | 648080050180 | 1,689 |
| | | with thread 1 $^1/_4$“ BSP | for L470/11 and for L470/12 | | 648080050480 | 3,000 |
| Cover for pipework mounting | 10581E00 | with thread NPT 3/4“ | for L470/11 and L470/12 | | 648080050050 | 0,978 |
| | | with thread NPT 3/4“ | for L470/13 | | 648080050360 | 1,400 |
| | | with thread NPT 1“ | for L470/11 and L470/12 | | 648080050060 | 0,978 |
| | | with thread NPT 1“ | for L470/1 | | 648080050350 | 1,400 |
| Ringbolts | 05378E00 | M 8, to mount directly into inserts, 1 pair | | | 6000803900 | 0,107 |
| | | M 10, to mount directly into inserts, 1 pair | | | 6050801900 | 0,103 |
| Cable entries | 05864E00 | in moulded plastic, series 8161 | | | | – – |
| | | 8161/5-M 20-13 | | 1 piece | 8161077010 | 0,012 |
| | | 8161/5-M 20-13 | | 50 pieces | 8161025030 | 0,600 |
| | | 8161/5-M 25-17 | | 1 piece | 8161078010 | 0,016 |
| | | 8161/5-M 25-17 | | 50 pieces | 8161026030 | 0,850 |
| Sealing plugs | 04840E00 | moulded, series 8290 | | | | – – |
| | | 8290/3-M 20 x 1.5 | | 1 piece | 8290008590 | 0,004 |
| | | 8290/3-M 20 x 1.5 | | 100 pieces | 8290045590 | 0,600 |
| | | 8290/3-M 25 x 1.5 | | 1 piece | 8290009590 | 0,006 |
| | | 8290/3-M 25 x 1.5 | | 100 pieces | 8290046590 | 0,800 |
| Special wrench | 05263E00 | for tightening the cable glands respectively the cap nuts for cable entries | | | | – – |
| | | Thread size | Packing unit | | | |
| | | M 20 x 1.5 | 1 | | 5986140 | 0,132 |
| Manual ignition protection test device |  11006E00 | for testing ignition protection of EEx nR ignition protected enclosures. | | | 9400603680 | 0,730 |